



JOHN ELIAS BALDACCI
GOVERNOR

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
16 STATE HOUSE STATION
AUGUSTA, MAINE
04333-0016

DAVID A. COLE
COMMISSIONER

December 2, 2003
Subject: Lincoln Plantation
Project No.DISC-1018(700)X
PIN 10187.00
Bid Amendment No. 1

Dear Sir/Ms.:

Please make the following changes to your Bid Package:

In the "Contract Agreement, Offer & Award", first page, both copies, delete PIN No. 100187.00, and replace with PIN No. 10187.00.

Make this change in pen and ink.

Delete the "Schedule of Items" dated 031117, two pages total and replace with the new "Schedule of Items" dated 031202, three pages total.

Add the attached "Special Provision Section 202.101 Remove and Reset Existing Superstructure Members", dated 11/25/2003, one page.

Delete "Special Provision Section 528 Structural Timber", dated 09/02/2003, pages one through six.

Delete "Special Provision Section 528 Structural Timber", dated 09/02/2003, pages one through five and replace with the new "Special Provision Section 528 Structural Timber" dated 12/01/2003, pages one through five.

Make the following changes to the Plan Sheets:

Delete Plan Sheet number 2 of 8 entitled "Quantities and Notes" and replace with the new plan sheet number 2 of 8 entitled "Quantities and Notes" dated 12/02/03.

On Plan sheet number 4 of 8 Elevation -Deck Fitting Detail, delete "Deck -2 layers 2" thick" and replace with "Deck-1 layer 2" thick".

Make this change in pen and ink.



PRINTED ON RECYCLED PAPER

Consider these changes prior to submitting your bid on December 10, 2003.

Sincerely,

A handwritten signature in dark ink, reading "Bruce R. Carter". The signature is written in a cursive style with a vertical line at the end.

Bruce R. Carter
Contracts Engineer

SCHEDULE OF ITEMS

REVISED:

CONTRACT ID: 010187.00

PROJECT(S): DISC-1018(700)X

CONTRACTOR : _____

LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
SECTION 0001 BRIDGE ITEMS						
0010	202.10 REMOVING EXISTING SUPERSTRUCTURE (PROPERTY OF CONTRACTOR)	LUMP	LUMP			
0020	202.101 REMOVING EXISTING SUPERSTRUCTURE - APPROACH SPAN PROPERTY OF CONTRACTOR	LUMP	LUMP			
0030	203.20 COMMON EXCAVATION	75.000 CY				
0040	524.30 TEMPORARY STRUCTURAL SUPPORT	1.000 EA				
0050	525.331 ADDITIONAL STONES FOR MASONRY WALL	23.000 CY				
0060	528.011 STRUCTURAL TIMBER FABRICATED AND DELIVERED, SIDING, KNEEBRACES, FLOOR BEAMS, FLOORING, COMP. AND TEN. BRACES. ETC..	2327.000 BF				
0070	528.012 STRUCTURAL TIMBER FABRICATED AND DELIVERED, POSTS, TENSION BRACES AND CHORDS	1169.000 BF				
0080	528.021 STRUCTURAL TIMBER ERECTION, KNEEBRACES, COMP. BRACES, FLOOR BEAMS AND BEAR/ BACKWALL	1757.000 BF				

SCHEDULE OF ITEMS

REVISED:

CONTRACT ID: 010187.00

PROJECT(S): DISC-1018(700)X

CONTRACTOR : _____

LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
0090	528.022 STRUCTURAL TIMBER ERECTION, POSTS, TENSION BRACES AND CHORDS	1169.000 BF				
0100	528.494 STRUCTURAL TIMBER FIRE RETARDANT PAINT	LUMP	LUMP			
0110	528.90 TIMBER GUARD RAIL	106.000 LF				
0120	610.18 STONE DITCH PROTECTION	5.000 CY				
0130	615.07 LOAM	1.000 CY				
0140	618.14 SEEDING METHOD NUMBER 2	1.000 UN				
0150	619.12 MULCH	1.000 UN				
0160	652.31 TYPE I BARRICADE	4.000 EA				
0170	652.34 CONE	6.000 EA				
0180	652.35 CONSTRUCTION SIGNS	65.000 SF				

SCHEDULE OF ITEMS

REVISED:

CONTRACT ID: 010187.00

PROJECT(S): DISC-1018(700)X

CONTRACTOR : _____

LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
0190	656.75 TEMPORARY SOIL EROSION AND WATER POLLUTION CONTROL	LUMP	LUMP			
0200	659.10 MOBILIZATION	LUMP	LUMP			
0210	841.48 BOLLARDS	EA 8.000				
	SECTION 0001 TOTAL					
	TOTAL BID					

LINCOLN PLANTATION
DISC 1018(700)X
11/25/2003

SPECIAL PROVISION
SECTION 202.101
REMOVE AND RESET EXISTING
SUPERSTRUCTURE MEMBERS

202.101 Description This work shall consist of removing, numbering, storing and resetting existing siding and floor planks.

Each length of siding shall be reinstalled on the structure in its original location. Where the original siding is missing, or the original siding is damaged or deteriorated beyond use, new siding is to be substituted.

Both layers of the existing floor shall be removed, stored and relaid in one layer. The Contractor shall use undamaged original planks, in the longest lengths possible, to construct the new one layer floor. If there are insufficient undamaged original planks available, the contractor shall supply suitable new lumber to complete the floor.

Bolts, nails, spikes and other required fasteners or connectors shall be included as incidental to the Work.

Method of Measurement Structural timber and lumber will be measured by the board foot complete and accepted, consisting of all timber and related materials in the fabricated and erected structure as shown in Plans. Related materials shall include, but not necessarily be limited to connectors and miscellaneous hardware.

Basis of Payment Structural timber and lumber will be paid for at the contract board foot price for the respective contract items involved. Price shall be full compensation for removing, storing and reinstalling the material specified including all hardware and the furnishing of all labor, tools, equipment and incidentals necessary to complete the work. Fire retardant treatment will be paid for separately.

Payment will be made under:

Pay Item	Pay Unit
202.101 Removal and resetting of existing siding and floor	BF

SPECIAL PROVISION
SECTION 528
STRUCTURAL TIMBER

GENERAL

528.011 Description This work shall consist of detailing, furnishing, fabricating, and transporting structural timber for use in constructing: siding, knee braces, compression braces, bearing blocks/backwalls, floor beams and floor planks.

Bolts, nails, spikes, and other required fasteners or connectors shall be included as incidental to the Work.

Basis of Payment Structural timber and lumber will be paid for at the contract board foot price for the respective contract item. Price shall be full compensation for detailing, furnishing, transporting, and handling the material specified including all hardware and the furnishing of all labor, tools, equipment and incidentals necessary to complete the work. Fire retardant treatment will be paid for separately.

528.012 Description This work shall consist of detailing, furnishing, fabricating and transporting structural timber and lumber for use in constructing: posts, tension braces and chords.

Basis of Payment Structural timber and lumber will be paid for at the contract board foot price for the respective contract item. Price shall be full compensation for detailing, furnishing, transporting and handling the material specified including all hardware and the furnishing of all labor, tools, equipment and incidentals necessary to complete the work. Fire retardant treatment will be paid for separately.

528.02 Materials Materials shall conform with species and stress-grades specified below and be acceptable to the Resident.

- A. Structural timber shall be graded in accordance with requirements of Wood Products, AASHTO M 168, except as otherwise shown on the Plans or called for in these Special Provisions. Truss bottom chord members graded as beams and stringers shall have grading provisions applied over entire length of piece.
- B. Moisture Content.
 - 1. Maximum moisture content of material entering into a finished structure shall be 20 percent. Maximum moisture content of material at time of fabrication shall be 19 percent.

C. Minimum Stress Requirements

1. Structural timber for all components shall match existing specie, except as otherwise provided below, and shall meet allowable unit stress requirements for “select structural grade” material specified in AASHTO Standard Specifications for Highway Bridges.
2. Dimensional lumber used for siding framing shall match existing specie, Grade No. 1 or better as specified in AASHTO.
3. Boards for siding shall match existing specie, and be selected Grade No. 2 or better dressed one side and two edges. The dressed thickness shall be 7/8”.
4. Timber used for compression member blocks and for knee brace blocks shall be White Oak or Ash.

D. Dimensions.

1. Nominal lumber sizes are sawn sizes before either seasoning or planing. Pieces shall be rough sawn to full nominal dimensions specified with only occasional slight variation permitted. Slight variation permitted. Slight variation is a deviation from line of cut not exceeding 1/8 inch. Emphasis shall be placed on matching the actual dimension of the member being replaced.
2. Dressed lumber sizes are finished planed dimensions of material after seasoning.

E. Material shall be sound and free from any incipient or advanced from of decay. Do not use units of material which are unsound, warped, bowed, twisted, improperly treated, not adequately seasoned, or too small to be fabricated.

F. Miscellaneous Materials.

1. Fabricated materials shall conform to requirements in Contract and specified material requirements of Section 713.
2. Nails and spikes shall be of low to medium carbon steel and shall be of good commercial quality.

G. Certification: Contractor shall certify through suppliers that all component materials, manufacturing operations, and/or finished products conform to all requirements of Maine Department of Transportation

pertinent to project plans, special provisions and specifications for contract item or items indicated.

528.021 Description This work shall consist of framing and erecting structural timber and lumber for use in constructing: knee braces, compression braces, bearing blocks/backwalls, and floor beams.

(Placement of siding and floor planks shall be paid for under Pay Item 202.101)

Basis of Payment Structural timber and lumber will be paid for at the contract board foot price for the respective contract item. Price shall be full compensation for placing or erecting the material specified including all hardware and the furnishing of all labor, tools, equipment and incidentals necessary to complete the work. Fire retardant treatment will be paid for separately.

528.022 Description This work shall consist of framing and erecting structural timber and lumber for use in constructing: posts, tension braces and chords.

Basis of Payment Structural timber and lumber will be paid for at the contract board foot price for the respective contract items. Price shall be full compensation for placing or erecting the material specified including all hardware and the furnishing of all labor, tools, equipment and incidentals necessary to complete the work. Fire retardant treatment will be paid for separately.

528.04 General

- A. Type of construction shall be as shown on Plans. Workmanship and finish shall be equal to best general practice in modern timber fabrication shops.

528.12 Storage

- A. Timber and lumber stored on site shall be kept in orderly piles, open stacked and on supports that provide at least 12 inches of ground clearance. For outside storage, ground area in the vicinity of the material shall be cleared of grass, weeds and rubbish. Free circulation of air shall be provided between tiers, courses, and ground.
- B. Untreated timber and lumber shall be stored under cover. Covering shall adequately protect it from direct and blowing rain or snow and yet provide full circulation of air. When authorized by the Resident, treated material may be left uncovered.
- C. Fabricated material shall be stored in a manner that will prevent dimensional changes in member prior to assembly.

528.13 Workmanship All framing shall be true and exact. Nails and spikes shall be driven with heads set flush with surface of wood. Wood surfaces shall be free from deep or frequent hammer marks.

528.14 Handling

- A. Material shall be carefully handled to avoid damaging edges or surfaces and to keep it clean.
- B. Materials shall be picked up or moved with slings or other devices that will not damage or mar surface. Peavies, cant hooks, timber dogs or other pointed tools will not be permitted.

528.15 Framing

- A. Lumber and timber shall be accurately cut and framed to a close fit in such a manner that joints will have full and even bearing over entire contact surface. Mortises shall be true to size for their full depth and tenons shall fit snugly. No shimming will be permitted in making joints, except as noted on the Plans, nor will open joints be accepted.

528.17 Trusses Trusses, when completed, shall show no irregularities of line. Chords shall be straight and true from end to end in horizontal projection and, in vertical projection, shall show a smooth curve through panel points. All bearing surfaces shall fit accurately. Uneven or rough cuts at points of bearing shall be cause for rejection of piece containing defect.

528.18 Siding

- A. Finished appearance of siding is considered of primary importance and special care shall be taken to secure a high quality of workmanship and finish on this portion of the structure.
- B. Unless otherwise directed by the Resident, the siding shall be built after removal of false work and adjustment of trusses to correct alignment and camber.

528.19 Decking

- A. Plank material shall be of the grade specified.
- B. Single layer plank floors consist of a single thickness of planking supported by floor beams. Planks shall be laid heart side down with ½ inch openings between them. Each plank shall be securely spiked to each floor beam. Planks shall be carefully graded as to thickness and so

laid that no two adjacent planks shall vary in thickness by more than 1/16 inch. Unless otherwise specified, lengths of planks shall be minimum of 18 feet with end joints staggered in adjacent planks.

528.20 Floor Beams Floor beams shall be sized at bearings and shall be placed in position so that knots near edges will be in the top (compression) portions of the beams.

528.21 General Contractor shall erect structural timber and lumber in accordance with Plans and these Specifications. Contractor shall also design, erect, and remove any falsework and do all work required to complete structural timber and lumber work on the bridge as covered by the Contract.

528.23 Methods and Equipment Before starting the work of erection, Contractor shall inform Resident fully as to the method of supporting and jacking he proposes to follow, and amount and character of equipment he proposes to use, which shall be subject to review by the Resident. Contractor shall prepare and submit to the Resident, for his review, plans for any falsework and/or for modifications to any existing structure necessitated by construction loading. Falsework and/or modifications shall be properly designed and substantially constructed and maintained for the loads which will be placed upon it. Review by the Resident shall not be considered as relieving Contractor of responsibility for safety of his method or equipment, or from carrying out the Work in full accordance with the Plans and Specifications. No work shall be done until such acceptance by Resident has been obtained.

528.24 Method of Measurement

Structural timber and lumber will be measured by the board foot complete and accepted, consisting of all timber and related materials in the fabricated and erected structure as shown in Plans. Related materials shall include, but not necessarily be limited to connectors and miscellaneous hardware.

Payment will be made under:

Pay Item	Pay Unit
528.011 Structural Timber, Fabrication and Delivery, Siding, Knee Braces, Compression Braces, Bearing Blocks/Backwalls, Floor Beams and Floor Planks.	BF
528.012 Structural Timber, Fabrication and Delivery, Posts, Tension Braces and Chords	BF
528.021 Structural Timber, Erection, Siding, Knee Braces, Compression Braces, Bearing Blocks/Backwalls, Floor Beams and Floor Planks.	BF
528.022 Structural Timber, Erection, Posts, Tension Braces, and Chords	BF

ESTIMATED QUANTITIES			UNIT
ITEM NO	DESCRIPTION	QUANTITY	UNIT
202.10	Remove existing superstructure elements - Property of Contractor	1	L.S.
202.01	Remove and install siding and flooring	1	L.S.
203.20	Common Excavation	75	C.Y.
524.30	Temporary structural support	1	L.S.
525.33	Additional Stresses for Memory Wall	23	C.Y.
528.01	Structural Timber Fabrication and Delivery of Siding , Knee braces, Floor Beams, Flooring , Compression braces and Bearing/Backwall timbers	237	BF
528.012	Structural Timber Fabrication and Delivery of Posts, Tension braces and Chords	1169	BF
528.021	Structural Timber Erection of Knee braces, Compression braces, Floor Beams and Bearing/backwall timbers	1757	BF
528.022	Structural Timber Erection of Posts, Tension braces and Chords	1169	BF
528.023	Structural Timber, Fire Retardant Paint	1	L.S.
528.90	Timber Cholesterol	106	L.F.
610.18	Stone Ditch Protection	5	C.Y.
615.07	Loam	1	Unit
618.14	Seeding Method Number 2	1	Unit
619.12	Mulch	1	Unit
622.31	Type I Barricade	4	EA.
623.34	Cone	6	EA.
624.34	Construction Signs	540	SF.
626.75	Temporary Soil Erosion and Water Pollution Control	1	L.S.
659.10	Mobilization	1	L.S.
841.48	Bollards	8	EA.

GENERAL CONSTRUCTION NOTES

1. The project shall be completed in accordance with the Secretary of the Interior's Standards for Restoration, (www2.cr.nps.gov/nps/sassectm.html See Supplemental Specifications).
2. The bridge is currently closed to vehicular traffic and will remain closed to vehicular and pedestrian traffic during construction.
3. The Contractor, with the Resident, shall inspect Truss members including top and bottom chords, tension and compression bracing, posts, truss bracing, and floor planks. The Contractor shall submit the proposed method of inspection to the Resident for review and approval. The Resident's approval of the replacement of the truss members shall be as per the contract plans and as approved and directed by the Resident. Inspection of the Bridge components shall be incidental to Item 524.32.
4. The existing bridge shall be jacked and shored as required to straighten, release stresses, plumb and re-align the trusses. All temporary jacking shall be done with care to protect the bridge. The Contractor shall submit the proposed method of jacking to the Resident for review and approval. The Resident's approval of the replacement of the truss members shall be as per the contract plans and as approved and directed by the Resident. Inspection of the Bridge components shall be incidental to Item 524.32.
5. Special care shall be taken to avoid damage to members that are to remain and to avoid movement of the truss that would result in distortions or misalignment of the truss and its joints.
6. The truss, deck and abutments shall be inspected jointly by the Resident and Contractor for deterioration upon uncovering hidden areas.
7. Structural fill dirt and debris on and around all truss members and bracing members.
8. Cleaning all dirt and debris on the plans, shall include:
 - A. Truss chords top and bottom
 - B. Truss tension counterbraces
 - C. Truss tension bracing
 - D. Truss posts
 - E. Truss knee braces
 - F. Connection gusset (truss-to-truss)
 - G. Floor planks may vary in width from 6 to 12 inches based on availability
 - H. Truss bearing bracing
 - I. Bridge slitting
 - J. Truss members
9. Truss members shall be installed by timber framers experienced in hand joinery techniques. Reuse existing floor planks.
10. Loam, seed and mulch shall be applied as directed by the Resident.
11. The Contractor's primary access to the site shall be via the Barnett Road. Limited access shall be provided via the Little Hole Road 1/4 of mile through the Axtell's Campground.
12. All exposed wood surfaces, inside and outside of the bridge, with the exception of the bridge deck, shall be treated with a preservative preservative containing copper. The preservative shall be applied with a sprayer. The preservative shall be applied to the underside of the bridge deck, the interior of the bridge, and the exterior of the bridge.

[illegible]